

Attorney Docket No. 34874-079/2003P00155 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Ullrich, Kai O.  
ASSIGNEE: SAP AG  
SERIAL NUMBER: 10/609,130 EXAMINER: BERGER, AUBREY H  
FILING DATE: June 27, 2003 ART UNIT: 2134  
TITLE: AUTHENTICATION SCHEME SYSTEM AND METHOD

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## DECLARATION OF KAI ULLRICH UNDER 37 C.F.R. § 1.131

I, Kai O. Ullrich, currently residing at Untere Strasse 10, 69117 Heidelberg, Germany, do hereby declare as follows:

1. I am the inventor of the subject matter claimed in the above-identified patent application.
2. Prior to May 23 2003, I invented the subject matter of the claims of this patent application while being employed at SAP AG, which currently has a place of business at Neurettstrasse 16, 69190 Walldorf, Germany. At least as early as April 3, 2003, I conceived of and proceeded to diligently reduce to practice the invention claimed in the above-referenced patent application.
3. The conception and reduction to practice prior at least as early as April 3, 2003 is evidenced by a written invention disclosure form, which was the basis of the above-referenced patent application, and which I prepared for submission to in-house patent counsel at SAP AG on or about April 3, 2003. The invention disclosure contents describe the invention, and a redacted copy of the invention disclosure form is included along with this declaration as Schedule A.
4. Moreover, after conception, and prior to the filing date of the parent application on or before June 27, 2003, SAP AG in-house patent counsel engaged and worked diligently with patent attorneys, including Mr. James Cleary, formerly of Fish & Richardson, PC, to prepare a patent application that described the conceived invention. After this diligent preparation work, the parent application was filed on June 27, 2003.
5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

APPLICANTS: Ulrich, Kai  
U.S.S.N.: 10/609,130

statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

Dated: 10/31/2006

Kai O. Ulrich  
Kai O. Ulrich

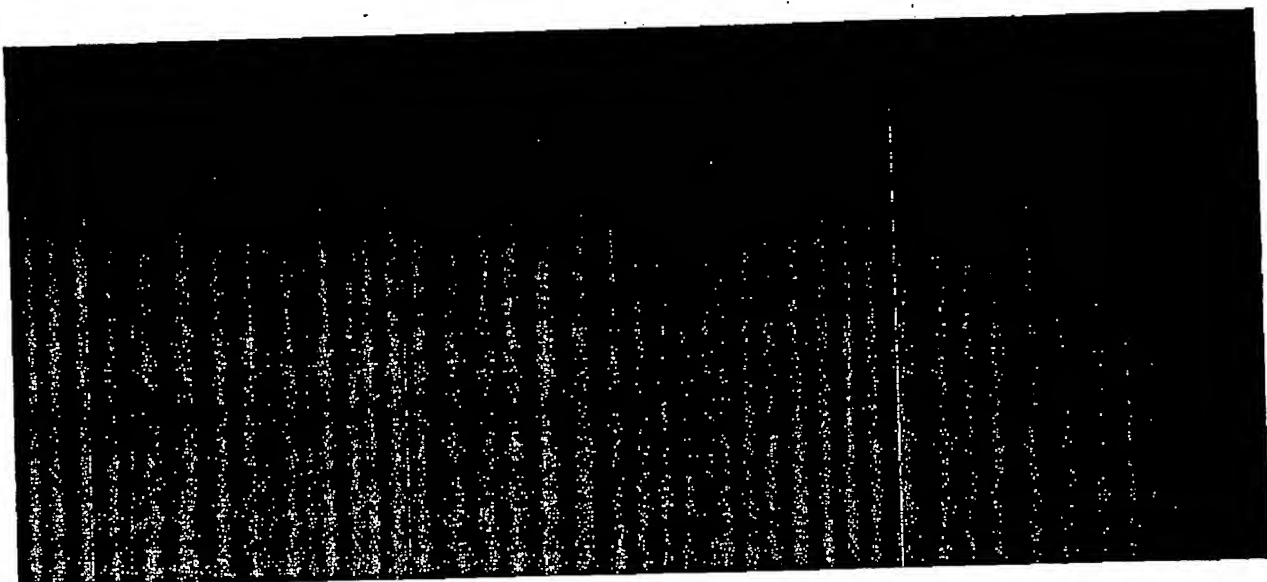
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## SCHEDULE A

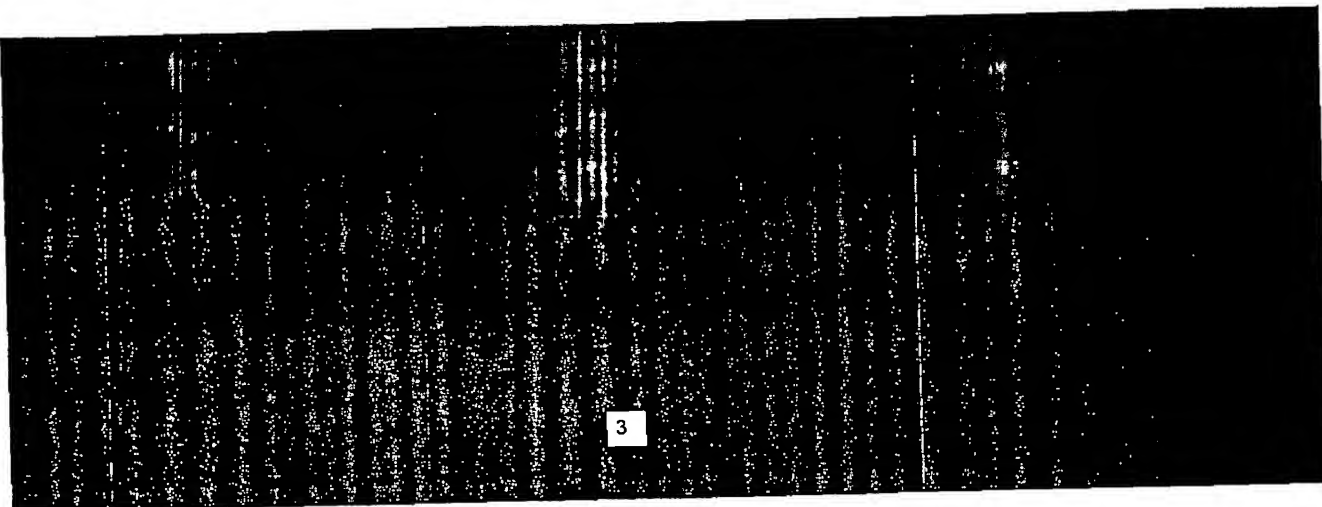
## SAP Invention Disclosure Form

First Name	Middle Initial(s) <small>Requested by US Patent Office</small>	Last Name	User ID.	Estimated Contribution (%)	Employer (e.g. SAP AG, SAP Labs., SAP America) ⇒ Please press the F1-button.
Kai	O.	ULLRICH	<input type="text"/>	100	SAP AG





An authscheme describes an algorithm used for authenticating a user of a software system, what data is required for the authentication, and the interactions that must take place for the authentication process to occur. Different applications may require different authschemes. For instance, administrative applications may require a higher-priority authscheme than normal application due to access to sensitive data. Further, different types of data could require "stronger" or "weaker" user authentication. In common internet based software systems, user authentication usually takes place globally. Once the user authentication has taken place the method how the end user proved his identity is no more taken into account when an access control decision is to be made. The decision whether access to a resource is granted or not is only made based on the identity of the user, not on how this identity was proven.



Authschemes can be associated to resources in such a software system. Every time a resource is being accessed by a user the software system checks whether the user did log in previously using a certain authscheme. Thereby the system makes sure that the user's identity was proven by an authentication mechanism of a certain strength.

e) Is the invention an improvement of an existing SAP product?

no ☐

yes ☒ Please identify the product (Component of e.g. R/3, New Dimension, mySAP.com etc.).

Enterprise Portal 6.0

Herewith I / We declare that I am / We are the solely and true inventors.

	First Name	Last Name	Signature	Date
1.	Kai	ULLRICH	<i>K. Ullrich</i>	3 <sup>rd</sup> of April 03
2.				
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4.				
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